



## PUBLISHED BY AUTHORITY

SIMLA, SATURDAY, FEBRUARY 23, 1963 (PHALGUNA 4, 1884)

Separate paging is given to this Part in order that it may be filed as a separate compilation

### PART III—SECTION 2

#### Notification and Notices Issued by the Patent Office relating to Patents and Designs

##### THE PATENT OFFICE

##### Patents and Designs

Calcutta, the 23rd February 1963

##### Application for Patents

The dates shown in crescent brackets are the dates claimed under Section 78A of the Act.

2nd February 1963

- 86309. P. G. Menon. Fixable plastic front coverings for mirror and picture wooden frames.
- 86310. J. C. Kattakayam. Stoneware glazed-pipe kiln for the extraction of cashew shell liquid.
- 86311. S. R. Lakshminarasimha. Improvement in or relating to electro magnetic relays with delayed operation and release.
- 86312. P. C. Peer. Improvements in or relating to cabinets and the like.
- 86313. G. R. Thakre. Improved cigarettes.
- 86314. G. R. Thakre. Improved writing instruments.
- 86315. G. R. Thakre. Improved stove lighters.
- 86316. N. J. Asnani. Electricity free of charge from chemical cells for an endless time.
- 86317. The British Iron and Steel Research Association. Improvements in or relating to the formation of metal coatings.
- 86318. Abbott Laboratories. Improvements in fluorinated steroids. [Addition to No. 78470].
- 86319. The Goodyear Tire & Rubber Company. Improvements in apparatus for building tires.
- 86320. K. M. Groetschel. Improvements relating to roof supports for mine workings.
- 86321. Miles Laboratories, Inc. Diagnostic formulation for pH determination.
- 86322. Aluminium Laboratories Limited. Process and apparatus for refining aluminium.
- 86323. Metallurgical Processes Limited, and The National Smelting Company Limited. Improvements in or relating to distillation. (21st February 1962).
- 86324. Casablancas High Draft Company Limited. Improvements in bobbin holders for textile machines. (25th May 1962).

- 86325. C. G. Munters. Improvements in or relating to method of manufacturing exchanger packings and exchanger packings manufactured according to said method.
- 86326. Stauffer Chemical Company. Phenyl and alkyl-phenyl thio esters of chloromethylphosphonothioic and dithioic acids.
- 86327. Stauffer Chemical Company. O-Cyanophenyl esters of phosphonic phosphoric and phosphinic acids.
- 86328. Stauffer Chemical Company. S-Aromatic esters of chloromethyl phosphonothioic and dithioic acids.
- 86329. Rotary Hoes Limited. Shock-absorbing drivetransmission device. (3rd February 1962).
- 86330. Auto Transmissions Limited. Improvements in or relating to transmission systems.
- 86331. F. Hoffmann-La Roche & Co. Aktiengesellschaft. Tricyclic compounds and process for the manufacture thereof.
- 86332. Ciba Limited. Manufacture of amino-pyrimidines.

4th February 1963

- 86333. T. C. Munirathnam. Improvements in or relating to torch lights.
- 86334. R. R. M. Dongre. An improved C. T. C. machine for treating tea leaves.
- 86335. Eaton Manufacturing Company. Electromagnetic coupling apparatus.
- 86336. Gevaert Photo-Producten N. V. Industrial manufacture of ketene.
- 86337. Union Carbide Corporation. Galvanic cell closure.
- 86338. Imperial Chemical Industries Limited. Apparatus for measurement and control of temperature. (19th February 1962).
- 86339. The Distillers Company Limited. Vinyl polymer adhesive compositions. (10th March 1962).
- 86340. Kabushiki Kaisha Hitachi Seisakusho. Operation monitoring system for multiflow turbines.
- 86341. Sandoz Ltd. Phthalocyanine derivatives, their production and use.
- 86342. Sandoz Ltd. Process for the halogenation of phthalocyanines.
- 86343. Textron Industries, Inc. Transfer mechanism.

86344. Hermonion Limited. A method of treating a polyolefine surface of packaging materials or the like as well as a material treated.
86345. Pilkington Brothers Limited. Improvements in or relating to the manufacture of wired glass. (5th February 1962).
86346. Aziende Colori Nazionali Affini Acna S.p.A. Metalized dyestuffs.
86347. N. V. Philips' Gloeilampenfabrieken. Improvements in or relating to semi-conductive devices. [Divisional date 1st July 1961].
86348. The Cincinnati Milling Machine Co. Automatic control system for a machine tool.
86349. Fichtel & Sachas A. G. Improvements in or relating to multi-speed transmission hubs.
86350. Sumitomo Chemical Company, Ltd. Process for the production of dinitrotoluene.
86351. Asahi Kasei Kogyo Kabushiki Kaisha. The method of producing highly shrinkable acrylonitrile fibers.
86352. Pioneer Sports Works Private Limited. Press for rackets.
86353. R. M. Chauhan. Auto-fuse-links.  
5th February 1963
86354. National Distillers and Chemical Corporation. Machine for cutting and scaling a web of thermoplastic material.
86355. Gulf Research & Development Company. Anhydride of polyaryl ketones.
86356. Electroflo Meters Company Limited. Improvements relating to rewind devices for recorder-chart rolls. (13th February 1962).
86357. P. Folliet. Process for the preparation of dioxane derivatives.
86358. F. Hoffmann-La Roche & Co. Aktiengesellschaft. Composition for combatting fungi and process for the manufacture thereof.
86359. F. Hoffmann-La Roche & Co. Aktiengesellschaft. Process for the conversion of 2-dehydro-isoemetine into 2-dehydro-emetine.
86360. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Thermostabilized copolymers and process for their manufacture.
86361. Standard Telephones and Cables Limited. Two-wire single-relay line circuit.
86362. Standard Telephones and Cables Limited. Translator. [Addition to No. 86224].
86363. Forges Et Ateliers De Constructions Electriques De Jeumont. Automatic devices for control and signalling for railways. (24th January 1963).
86364. O. P. Molt. Compression springs for mattresses, upholstered furniture, and the like.
86365. Extraction De Smet S. A. Diffusion plant for sugar works.
86366. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to devices for recording, scanning and erasing video-signals.
86367. The Glidden Company. Electropainting process and paint binder concentrate composition therefor. [Addition to No. 83621.]
86368. Formica Corporation. Laminates.
86369. Metallgesellschaft Aktiengesellschaft. Process and apparatus for fire-hardening pellets.
86370. Koyo Seiko Company Limited. Grease sealed ball and roller bearings and device therefor.
86371. Allied Chemical Corporation. Improvements in or relating to laminated structures.
86372. "Shell" Research Limited. Fuel composition. (7th February 1962).
86373. Babcock & Wilcox Limited. Improvements in the manufacture of tube bends.
86374. Rockgrip Limited. Process of grouting rockbolts in drill holes. (9th February 1962).
86375. Sperry Rand Corporation. Position sensing device.
86376. Sperry Rand Corporation. Fluid position sensor.
86377. Lansing Bagnall Limited. Improvements in or relating to industrial trucks. (7th February 1962).
86378. Tecalemi (Engineering) Limited. Improvements in fluid filters. (9th February 1962).  
6th February 1963
86379. Chandan Metal Products Private Limited. Improvements in or relating to locking arrangement for canteen furniture and the like.
86380. M. P. Koppikar. A foldable tiffin box and the like.
86381. Midco Private Limited. An improved folding chair and method of manufacturing same.
86382. Council of Scientific and Industrial Research. An improved process of coal flotation by use of grids.
86383. Council of Scientific and Industrial Research. Process of treating mixed salt for potash alum.
86384. A. Husain and T. Husain. Improvement in or relating to ice freezer machine.
86385. The Dow Chemical Company. Nitrogen compounds of polychloro-2-(trichloromethyl) pyridines.
86386. The Director, Indian Agricultural Research Institute, New Delhi. Gas mixing valve for internal combustion engine.
86387. Corning Glass Works. Improvements in or relating to glass articles of variable optical density.
86388. Shell Internationale Research Maatschappij N. V. Process for the conversion of hydrocarbons.
86389. Allmanna Svenska Elektriska Aktiebolaget. Selector switch.
86390. Graviner Manufacturing Company Limited and Wilkinson Sword Limited. Improvements in or relating to explosive charges.
86391. Science Union Et Cie Societe Francaise De Recherche Medicale. Composition of matter having anorectic properties.
86392. General Railway Signal Company. Improvements in or relating to railway control systems. (13th November 1962).
86393. National Research Development Corporation. Virus culture. (9th February 1962).
86394. Volkart Brothers. Improvements in or relating to the manufacture of coconut husk fibres.
86395. Rattanchand Harjasrai (Plastics) Private Ltd. Improvements in or relating to hydraulic presses for compression moulding of plastics.  
7th February 1963
86396. K. D. Shinde. A dibbling machine known as "Maharashtra Token Yantra" for sowing seed and fertiliser at one and the same time, worked by bullock-power.
86397. N. M. Jajal. Improvement in or relating to an electroacoustic amplifier for its additional application.
86398. The International Nickel Company (Mond) Limited. Nickel-chromium-alloys. [Addition to No. 86200].
86399. Pilkington Brothers Limited. Improvements in or relating to the manufacture of wired glass. (8th February 1962).
86400. Heinrich Koppers Gesellschaft Mit Beschränkter Haftung. Combustion systems for tower-type gas or hot blast regenerators.
86401. Syntex S. A. Improvements in or relating to cyclopentanophenanthrene derivatives. (13th February 1962).

86402. United Aircraft Corporation. Non-consumable arc-melting and arc welding electrodes.

86403. Montecatini Società Generale Per L'Industria Mineraria e Chimica. Pentadiene polymers and process for preparing them. (30th March 1962).

86404. Tecalemit (Engineering) Limited. Tubing.

86405. E. Negishi. Method of unwinding a bunch of yarn in spinning machines and spindle device therefor.

86406. United Kingdom Atomic Energy Authority. Improvements in or relating to heat exchangers. (13th March 1962).

86407. Ribsan S.A.R.L. Cocks for fluids.

86408. The Dow Chemical Company. Amino trichloropicolinic acid compounds.

86409. Farbwerke Hoechst Aktiengesellschaft vormals Lucius & Bruning. Organic dyestuffs and process for their manufacture.

86410. S. Handte. Device for cleaning of dust-laden gases.

8th February 1963

86411. Madhusudan Bhattacharyya. Method and apparatus for electro-magnetic pumping of incompressible liquids like water.

86412. Westland Aircraft Limited. Improvements in or relating to air cushion load pallets. (10th February 1962).

86413. Road Machines (Drayton) Limited. Improvements in or relating to monorail tracks. (9th February 1962).

86414. Illinois Tool Works. Improvements in or relating to top closure for containers. (13th March 1961). [Divisional date 5th August 1961.]

86415. Società Farmaceutica Italia. Process for preparing 4-hydroxy-3-keto  $\Delta^4$ -steroids. [Addition to No. 80602.]

86416. Sun Oil Company. Production of naphthalene and benzene.

86417. Hindusthan Bobbin Industries. Improvements in or relating to bobbins.

86418. Director, Central Water and Power Research Station, Poona. Improvements in or relating to current meters.

86419. The Reliance Rope Attachment Company Limited. Improvements in or relating to a securing device used in a conveyance movable against the action of gravity. [Addition to No. 78703]. [Divisional date, 3rd October 1961].

86420. Pechiney—Compagnie de Produits Chimiques et Electrometallurgiques. Process for the manufacture of metals and alloys by metallothermic reduction.

86421. E. I. du Pont de Nemours and Company. Improvements in or relating to fungicidal methods and compositions. (9th February 1962).

#### Alteration of Date

78123. The claim to priority date 25th July 1961 has been disallowed and the application, dated as of 18th August 1961, the date of filing in India.

78253. The claim to priority date has been altered from 11th July 1960 to 4th July 1961.

78451. The claim to priority date 23rd September 1960 has been disallowed and the application dated as of 13th September 1961, the date of filing in India.

84311. Ante-dated to 9th May 1961 under Section 5 of the Act.

84853. Ante-dated to 5th May 1961 under Section 5 of the Act.

84854. Ante-dated to 5th May 1961 under Section 5 of the Act.

#### Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications, referred to below may at any time within four months of the date of the Gazette of India give notice to the Patents Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Government of India Book Depot, 8, Hastings Street, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra, if sent out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of specifications as shown in the following list.

If required typed copies of the specification together with copies of drawings, if any, can be supplied by the Patent Office on payment of the necessary charges which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under Section 78-A of the Act.

76500. Schering Aktiengesellschaft. Pest combating agents with insecticidal and miticidal properties. Accepted on 2nd February 1963.

*Comprising a carbamic acid phenyl ester to gether with an organic solvent and/or a carrier and/or an adjuvant therefor.*

76550. E. I. du Pont de Nemours and Company. Polymeric thiadiazinethiones. Accepted on 2nd February 1963.

*By treating together an alkylene diamine with an alkylenebisdithiocarbamic acid in the presence of aldehydes.*

76557. Council of Scientific and Industrial Research. Process for synthesis of phenyl-tertiaryamino-propionates and propanols. Accepted on 6th February 1963.

*By reacting secondary amine with phenylpropyl component capable of reacting with amine to form propionic acid or ester.*

76558. Shell Internationale Research Maatschappij N. V. Compositions for controlling nematodes and phytopathogenic microorganisms. Accepted on 6th February 1963.

*Comprises a dithiol or its ester as a pesticidal compound together with solid carrier and/or surface active agent or (v) a liquid carrier and a surface active agent.*

76590. Molins Machine Company Limited. Improvements in or relating to tobacco manipulating machines. (10th May 1960). Accepted on 5th February 1963.

*In which the filler (filling tobacco) is subjected to sensing operation to detect variation in tobacco compactness and rising results to apply pressure to modify compactness.*

76599. Ciba Limited. Process for the preparation of organic compounds from acetylenically unsaturated compounds. Accepted on 4th February 1963.

*Wherein acetylenically unsaturated compounds are reacted in the presence of halides or oxyhalides of niobium or tantalum or adducts of said halides with amines or oxyhalides as catalyst.*

76602. International Development Company of National Distillers and Chemical Corporation S.A. Improvements in and relating to extrusion dies. Accepted on 8th February 1963.

*Comprising a pair of annular die plates, joined in concentric, an annular passage way, one conduit passageway through at least one plate, and means for deformation of die.*

76651. Heat Pump & Refrigeration Limited. Centrifugal fan or blower. (18th May 1960). Accepted on 2nd February 1963.  
*In which the rotor comprises of a cylinder of expanded metal.*
76659. Union Carbide Corporation. A photosensitive composition, and a printing plate incorporating such composition. Accepted on 8th February 1963.  
*Comprising a normally solid poly (ethylene oxide), an A-stage resole phenolic resin, and a photosensitive compound.*
76775. Württembergische Spindelfabrik Gesellschaft mit beschränkter Haftung. Spindle driving mechanism. (10th March 1961). Accepted on 4th February 1963.  
*Guide pulley is in frictional engagement with and driven by a pulley a drum on the drive shaft.*
76875. Minnesota Mining and Manufacturing Company. Heat sensitive copy-sheet composite suitable for the preparation of projection transparencies. Accepted on 2nd February 1963.  
*Comprising a receptor sheet and a source sheet in face-to-face contact, said source sheet comprising a thin transparent base film having on one surface a coating of a dye and a polymeric binder, said receptor comprising a thin transparent polymeric film receptive to said dye.*
76878. The Continental Manufacturing Company. A lined plug valve. Accepted on 6th February 1963.  
*A body member and a valving member, each including flow passages terminating in a lip, means mounting valve member and a sealing member interposed between the valving and body members, including passages through which the lips of the body member project.*
76933. Riedel & Co. Deposition of high-polish smooth copper coatings on electrically conducting objects from acid baths. Accepted on 6th February 1963.  
*Electrolysis copper bath containing  $S-C=(NH)_2NH(R)-Ar$ ;  $Ar$  being phenyl, naphthyl or pyridyl groups and  $R$  is  $H$  or alkyl group*
77104. Centre National De Recherches Metallurgiques. A process and apparatus for putting finely divided carbonized material in suspension in a carrier gas. Accepted on 5th February 1963.  
*In operation the material is passed from a container through a choke into duct conveying the carrier gas and the relationship between the pressures in the container and at the top point of the duct is varied in accordance with the variation in compositions of the suspension.*
77116. Nippon Kogei Kogyo Kabushiki Kaisha. Electrostatic painting equipment. Accepted on 5th February 1963.  
*Characterized in that, against the spraying head at the rear side of the articles to be coated a conductive metallic plate is provided, on which is impressed a potential the same as that applied to the spray head to establish an electrostatic field between the metallic plate and the articles.*
77158. Wilkinson Sword Limited. Improvements in or relating to safety razor blades and method of manufacturing the same. (29th June 1960). Accepted on 5th February 1963.  
*The blade has adjacent its edge a coating of polytetrafluoroethylene.*
77226. Council of Scientific and Industrial Research. New N-haloacyl-2-phenylethylamine derivatives. Accepted on 2nd February 1963.  
*Reacting 2-phenylethylamine with halocylhalide in dilute aqueous alkali at  $-5$  to  $+10^\circ C$ .*
77271. Corn Products Company. Process for the purification and recovery of fungal amylase preparations and process for hydrolyzing starch to dextrose utilizing such preparations. Accepted on 5th February 1963.  
*Comprises mixing such preparations in aqueous media with a clay mineral, thereafter adding a water-miscible solvent to precipitate the enzyme on the clay mineral, separating the clay mineral enzyme mixture from the liquid.*
77296. Montecatini Societa Generale Per L'Industria Mineraria E Chimica. The removal, by suction, of anodic gases formed in electrolytic cells employed for aluminium production. Accepted on 2nd February 1963.  
*The device is being located above a oust hole and serves to rapidly withdraw the anodic gases; aspirators of any type are being used or a fan; the aspirator is adapted to maintain in the zone near the outlet hole in the crust.*
77312. Montecatini Societa Generale Per L'Industria Mineraria E Chimica. Method and apparatus for baking and preheating the bottoms of electrolytic cells by means of alternating or direct current. Accepted on 2nd February 1963.  
*Employs direct or alternating current, without circulating current in the anode and even in the absence of anode the process comprises feeding the sole with direct or alternating current by means of cathodic bars.*
77313. Montecatini Societa Generale Per L'Industria Mineraria E Chimica. Method for baking anodes with preheating of cathodic sole for electrolytic furnaces. Accepted on 2nd February 1963.  
*Characterized in that the method is carried out by means of direct or alternating current immediately on the furnace itself during the simultaneous preheating of cathodic sole.*
77489. Societe Des Usines Chimiques Rhone-Poulenc. Process for the preparation of tetra-hydrodibenzazocine derivatives and pharmaceutical compositions containing them. Accepted on 4th February 1963.  
*Reacting a 5-substituted dibenzazocine compound with another compound to introduce an aminoalkyl substituent in the 5-position according known methods.*
77636. Union Carbide Corporation. A method for forming coated uniaxially oriented films and the product formed thereby. Accepted on 8th February 1963.  
*By extruding a melt of polyolefin material into a tubular film, introducing therein a bubble of a fluid medium and stretching it at least 700 per cent in the longitudinal direction.*
77710. Self-Adhesive Sign Company Limited. Improvements relating to information recording devices. (4th August 1960). Accepted on 8th February 1963.  
*Comprising in combination, either a sheet or a flat pocket of transparent plastic material, and thereon a plurality of parallel rows of elongated carriers for retaining signals or indicators slidable to selected positions along the carriers.*
77881. Hercules Powder Company. Insecticidal compositions. Accepted on 31st January 1963.  
*Comprises reacting mono-chloro-m-isopropylphenol with methyl isocyanate or with N-methylcarbamyl chloride, or phosgene and subsequently methylamine.*
77883. Spencer Chemical International, Inc. Ethylene polymerization in nonionic emulsion systems. Accepted on 31st January 1963.  
*Comprises intimately contacting ethylene with a polymerization initiator in the presence of an aqueous solution a nonionic alkyl phenoxypolyoxyethylene ethanol emulsifier until emulsified solids content is 15 to 25 per cent by weight of the emulsion.*

77894. J. R. Lair. An ice cooled refrigerator. Accepted on 31st January 1963.  
*Ice-chamber, a water-distribution tray within said chamber, an ice-tray above said water-distribution tray.*
77910. Spencer Chemical International, Inc. Stable polyethylene latices. Accepted on 1st February 1963.  
*Contacting gaseous ethylene at 70–100°C and at 2,500–5000 psi pressure with an agitated mixture containing water, 20–25 per cent butanol, and less than 0.5 per cent of a persulfate initiator with a member selected from (1) salts of saturated fatty acids, (2) salts of sulfates of saturated fatty alcohols (3) salts of sulfates of ethoxylated saturated fatty alcohols.*
77918. Mavor & Coulson Limited. Improved shuttle car adapted for use in coal and other mines. (5th August 1960). Accepted on 2nd February 1963.  
*Comprising at least two pairs of ground wheels driven by hydraulic motors in a hydraulic system subject to control gear.*
- 77931 J. R. Geigy A.-G. Process for the production of new carbostyryl derivatives. Accepted on 2nd February 1963.  
*Reacting compound of type 1-methyl-4-chloro-carbostyryl with compounds of type anhydrous ethanolic dimethylamine.*
77948. The General Electric Company Limited. Improvements in and relating to electric terminal blocks. (15th August 1960). Accepted on 4th February 1963.  
*A channel or recess extends along one side of the blocks from one edge of said side so that the terminal members are arranged alongside the channel or recess.*
77956. Didier-Werke A.G. Process for the treatment of chromite for its employment as a refractory material and the refractory material prepared therefrom. Accepted on 5th February 1963.  
*Calcining chromite and lime and pulverising to pass through 4 mm mesh sieve.*
77957. Didier-Werke A.G. Process for dressing crude (impure) magnesite for the manufacture of a suitable raw material for the production of refractory magnesite bricks and materials. Accepted on 5th February 1963.  
*Characterised by that the crude magnesite is crushed to a particle size below 15 mm from which particles under 2 mm diameter are separated and the fraction between 0.09 and 2 mm diameter are finally sintered.*
77965. Simms Motor Units Limited. Improvements in or relating to electrical supply systems. (9th August 1960). Accepted on 7th February 1963.  
*Comprises an alternator, rectifier for rectifying the output of alternator and means responsive to the D.C. output to control for example, the voltage.*
77968. Didier-Werke A.G. Process for the manufacture of refractory bricks containing chromite. Accepted on 6th February 1963.  
*Characterised in that the chromite particles are moistened with solution of  $\text{SiO}_2$  forming substance and then an alkaline earth salt solution and if necessary the mass obtained is converted, with addition of known additives, into a remaining mass or otherwise made into refractory bodies.*
77972. American Radiator & Standard Sanitary Corporation. Improvements in or relating to the molding of fluid-containing substances, and molds therefor. Accepted on 6th February 1963.  
*Comprises placing the substance in contact with a porous medium and accelerating removal of fluid by traversing the medium with electric current.*
77983. United States Steel Corporation. Method of making sheet steel. Accepted on 7th February 1963.  
*Comprises coating sheet steel with from 0.05 to 0.15 pound of tin per base box, a unit area of 217.78 sq. ft. then heating the steel until there forms a layer of Fe Sn alloy.*
77999. Babcock & Wilcox Limited. Improvements in forced circulation monotubular boilers. Accepted on 8th February 1963.  
*Having an upright gas pass leading from combustion chamber, the boiler tube being arranged for forced circulation of the working medium from and to a separator vessel and serving to form a lining to the combustion chamber and a connection heat exchange section in the upright gas pass.*
78000. The British Oxygen Company Limited. Apparatus for storing and dispensing liquefied gases. (23rd August 1960). [Addition to No. 72650]. Accepted on 5th February 1963.  
*Wherein a filling line is connected to the vapour space through an automatic valve.*
78001. Mallinckrodt Chemical Works. Novel isophthalic acid derivatives and process for preparing same. Accepted on 7th February 1963.  
*By treating a 5-amino-2, 4, 6-triiodo-isophthalic acid derivatives with an acylating agent.*
78002. The English Electric Company Limited. Improvements in and relating to electric data transmission apparatus. (19th August 1960). Accepted on 8th February 1963.  
*Including a set of conductors, means for applying to the respective conductors of the set different electrical potentials character form identifying and storage means which includes for each character and tapping means.*
78004. Československa Akademie věd. Method of direct production of lower hydrates of ferrous sulphate and regeneration of sulphuric acid from exhausted pickling bath liquors. Accepted on 2nd February 1963.  
*Heating the exhausted pickling bath liquor to a temperature and pressure so as to permit crystallisation of lower hydrates of ferrous sulphate, maintaining the exhausted liquor to temperature and pressure until crystallization is ceased, filtering and removing crystals from the spent mother liquor containing residual sulphates in acid.*
78011. Stauffer Chemical Company. Process for making sulfur dioxide. Accepted on 6th February 1963.  
*Introducing sulphur and sulphur trioxide below surface of agitated pool of molten sulphur and  $\text{H}_2\text{SO}_4$  at 248–300°F.*
78012. Fujisawa Pharmaceutical Co., Ltd. Disulfide compounds of octanoic acid derivatives and composition containing the same. Accepted on 2nd February 1963.  
*By reacting an acylthiooctanoic acid derivative with the thiol form of vitamin  $\text{B}_1$ .*
78016. Council of Scientific and Industrial Research. Improvements in the production of thermosetting resins. Accepted on 8th February 1963.  
*Mixing together a monomeric ester of a saturated dicarboxylic acid, an ester of a dicarboxylic acid having a reactive double bond and an esterification catalyst and heating the mixture till a polyester is obtained.*
78025. Toho Rayon Kabushiki Kaisha. Method for manufacturing synthetic acrylonitrile fibers. (29th May 1961). Accepted on 6th February 1963.  
*Coagulating bath and subsequent water baths are acidified below pH 3 and maintained below 70°C to wash out zinc chloride occluded in the spun gel-tows.*

78027. Stamicarbon N. V. Process for the vulcanisation of polymers. Accepted on 5th February 1963.  
*Consists of forming a mixture of a polymer, a source of free radicals, a filler and an unsaturated compound and heating the mixture to temperature within the range of 100°—200°C*
78028. Pilkington Brothers Limited. Improvements in or relating to the manufacture of glass in sheet form. (12th May 1961). Accepted on 2nd February 1963.  
*Characterized by the fact that the gaseous fluid is introduced into the tower so that the fluid flows upwardly from the level where the annealing zone starts towards the top thereof.*
78043. J. R. Geigy A.G. New benzimidazole derivatives and process for the production thereof. Accepted on 8th February 1963.  
*Reacting an alkali metal compound of a benzimidazole with a halogen substituted methyl imidazole.*
78044. Corn Products Company. Edible fat compositions, fatinnaceous doughs containing same and process for preparing same and baked products prepared from said doughs. Accepted on 7th February 1963.  
*Incorporating with an edible fat a fungistat.*
78051. Didier-Werke A.G. Process for the treatment of chromite for its employment as a refractory material. [Addition to No. 77956]. Accepted on 5th February 1963.  
*By calcining chromite and fluorspar as in parent Specification No. 77956.*
78058. Takara Yoshi Company Limited. A device for use in cultivation and transplantation of seedlings. Accepted on 2nd February 1963.  
*Comprising a net-work of wire pasted with a backing sheet of weak paper containing meshes of strings resistant to water.*
78080. Y. Jongbe. A device for compressing metal cutting scrap. Accepted on 2nd February 1963.  
*Comprising a cutting mechanism having coating rollers to cut and crush metal scrap, a rotary metering device and means including a mould adapted to receive scrap from the compressing case.*
78111. Antonin Jirounek & Vaclav Grigar. Cooling towers with film-flow packing. Accepted on 8th February 1963.  
*Characterized by the arrangement of straight plates made of such asbestos cement serving as evaporating walls and by a tube-type distribution system.*
78123. Deutsche Gold-Und Silber-Scheideanstalt Vormals Roessler. Process for the production of 2, 4-bis-alkylamino-6-trichloromethyl-s-triazines. Accepted on 7th February 1963.  
*Reacting 2, 4, 6-tris-trichloromethyl-s-triazine or 2-amino-4, 6-bis-trichloromethyl-s-triazine with amines or ammonia in presence of an alkali alcoholate.*
78155. Ciba Limited. Manufacture of new hydrazides. Accepted on 5th February 1963.  
*Comprises reacting a 5-sulfamyl-2-amino-benzoic acid with a hydrazine in a manner known per se.*
78179. Johns-Manville Fibre Glass Inc. Expansible mandrel for winding textile fibres. Accepted on 7th February 1963.  
*A plurality of hub portions concentric about the axis of the Mandrel a flange positioned adjacent the end of each hub portion, said flanges being arranged in pairs and having retention means.*
78190. Bemberg S.p.A. A process for the purification of polymerised amino carboxylic acids by washing, and the polyamides thus purified. Accepted on 2nd February 1963.  
*Comprises in subjecting the polyamides to a washing treatment with an aqueous wash liquor bubbling an inert gas through it.*
78230. Metallgesellschaft A.G. Separate carbon supplement combination in the process of reduction of oxide iron ores. Accepted on 2nd February 1963.  
*Ore is charged into rotary furnace in form of pieces of a grain size of atleast 6 mm without adding the solid carbonaceous reducing agent.*
78253. Sperry Rand Corporation. Typing impression control for typewriters. (11th July 1961). Accepted on 6th February 1963.  
*Comprising type bar operating means including movable power arm, impact control means, lever means fulcrumed on said power arm and impact control means and limit means for the impact control means.*
78262. N. V. Onderzoekingsinstituut Research. Improvements in or relating to heat-resistant polyamides. Accepted on 2nd February 1963.  
*Polyamide is mixed with 2-mercapto-benzimidazole and a copper salt.*
78266. G. Bingham. An Improved laminated multicellular sheet material and a method and apparatus for producing the same. Accepted on 6th February 1963.  
*Comprising, heating two (webs) of thermoplastic material to softening temperature, applying one of the against the outer surface of an embossed rotating drum, applying the other web under pressure against the other face of first web at a second position, and removing both webs from the drum, the arrangement being such that suction acting from within drum causes cavities in the first web and that the other web is heat-sealed to first web around said cavities.*
78279. Ciba Limited. Amidine compounds, process for their manufacture, and compositions containing the same. Accepted on 8th February 1963.  
*Converting in an alkylencaminoalkanonitrile or a reactive derivative thereof which is convertible into amidine, the nitrile group is converted to amidino group by known methods, or in an alkanoumidine having a carbon atom vicinal to a nitrogen atom which bears an oxo or thio group, the oxo or thio group is reduced by known methods.*
78282. Ciba Limited. Process for the manufacture of new isoquinolines. Accepted on 5th February 1963.  
*Characterized in that an N-(pyridyl lower alkyl carbonyl)-2-phenyl ethyl amine is cyclized with a strong acid, hydrogenated reduced and methylated*
78313. Farbenfabriken Bayer Aktiengesellschaft. Process for dyeing and padding hydrophobic materials. (23rd June 1961). Accepted on 6th February 1963.  
*By treating the materials with aromatic compounds containing amino groups or their salts and with (a) quinones or (b) N-haloquinonimines or N, N'-dihaloquinon-dimines of substituted quinones or (c) with compounds containing the grouping—C—C=C—in a carbocyclic ring wherein X and Y denote carbon-carbon bonds or hydrogen or halogen.*

78316. R. Nowak, W. Schuster and M. H. Hoepli. Process for the recovery of high purity iron from iron or iron oxide bearing materials. Accepted on 2nd February 1963.  
*Reduction chlorination of oxide-bearing material at elevated temperature in presence of carbonaceous reductant to produce iron and gangue constituents in form of chlorides, then effecting oxidation chlorination of gaseous chlorides and finally reducing iron oxide to metallic state.*
78325. Hindustan Antibiotics Limited. An improved process for the preparation of N, N'-n-dioctylethylenediamine. Accepted on 5th February 1963.  
*By reacting anhydrous ethylenediamine and n-octyl iodide in the presence of organic solvent.*
78333. M. Singh. An improved lamp particularly for workshops. Accepted on 6th February 1963.  
*Comprising a base with a stud, a clamp frictionally holding the stud, a jaw pivotally engaging one end of a first arm, whose other end being connected pivotally to the end of a second arm, the free end of the latter having a fork, engaging a pin a mounting clamp rotationally mounted on the pin, the mounting clamp having a sleeve holding a pin to which is secured a base for bulb-socket.*
78355. Himansu Bikas Rai Choudhury. A machine for sorting and if necessary for cleaning granular and leafy materials. Accepted on 2nd February 1963.  
*Comprises a grading chamber having inclined baffle plates, an drawing means, air leading duct, pneumatic chambers and product collector at the base.*
78384. Griffin Wheel Company. Improvements in method of, and foundry plant for making metal castings. Accepted on 6th February 1963.  
*Comprising steps of melting metal, assembling mold sections, feeding molten metal into said molds, disassembling mold sections and separately processing mold sections and castings.*
78413. The Elton Cop Dyeing Company Limited. Improvements relating to the dyeing of yarn packages. Accepted on 4th February 1963.  
*A one-piece seamless tube which is perforated in the locality to be covered by the yarn, closed at one end, shaped to fit on a ring spindle and adapted at the lower end to fit on to a hollow ferrule in a dyeing machine.*
78448. Prerovske Strojirny, Narodni Podnik. Method of thermal treating pulverulent or finely granulated materials and equipment. Accepted on 7th February 1963.  
*Passing pulverulent materials in succession through preheating, burning and cooling zone in a vertical shaft.*
78451. Westinghouse Electric Corporation. Improvements in or relating to scaled electrical devices. Accepted on 2nd February 1963.  
*Comprising a good thermal conductive support member having a central supporting surface and a peripheral flange surrounding the supporting surface, an electrical component mounted on the surface, a ring member of good weldable ferrous metal hermetically mounted on the flange.*
78498. Chemische Werke Witten Gesellschaft Mit Beschränkter Haftung. Process for the manufacture of semi ester chlorides of aromatic dicarboxylic acids. Accepted on 5th February 1963.  
*Wherein trichloromethylbenzoic acid esters of primary alcohols are heated with methylbenzoic acid in the presence of iron III-chloride.*
78504. La Telemecanique Electrique. Control system for automatic electric apparatus. Accepted on 7th February 1963.  
*Comprises a plurality of monostable flip-flops each having an input and two outputs adapted for alternate energization and means are provided for connecting the one outputs of the flip-flops with respective controlled elements.*
78593. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to methods of manufacturing semi-conductor devices, and alloying dies for use in these methods. Accepted on 2nd February 1963.  
*Semi-conductor body and supply of electrode material are separately heated in a die to a temperature higher than the melting point of electrode material but lower than that of the body.*
78620. F. L. Smith & Co. A/S. Improvements relating to the burning of materials in rotary kilns. (27th September 1960). Accepted on 5th February 1963.  
*Reducing agent and cooling agent are delivered into the kiln as conical sprays, the apex angle of the cones being so correlated with the distances between the nozzle that the area struck by the reducing agent is close to that struck by the cooling agent.*
78633. The Firestone Tire & Rubber Company. Modification of polymerization of dienes catalyzed by lithium-based catalysts. Accepted on 5th February 1963.  
*Wherein the polymerisation reaction is carried out in the presence of a compound active in metalation reactions between the less reactive toluene and more reactive acetylene.*
78635. R. Hall. Improved carbon film resistor and method of making the same. Accepted on 6th February 1963.  
*Comprising a non-conducting base, a resistance film containing carbon, silicon and oxygen deposited on the base and a second film of carbon, silicon and oxygen deposited on the resistance film, the second film having the percentage content of oxygen being greater than that of resistance film.*
78640. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to electro-optical devices. Accepted on 5th February 1963.  
*Comprises a star connected circuit with at least three branches in it, first having photo conductive element, second one has a first radiation element and third branch has another radiation element.*
78643. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to devices for detecting irregularities in yarns. Accepted on 5th February 1963.  
*Comprises a measuring capacitor included in the feed back circuit of an oscillator and the yarn is passed in between the plates of the capacitor and the irregularities of the yarn cause the variations in capacitance, which in turn changes the generation conditions of the oscillator.*
78773. Escher Wyss GMBH. Dirt separator for fibrous or flaky suspensions. Accepted on 8th February 1963.  
*Fibrous or flaky suspension being rotated by a rotating cone support in a vertical chamber and the wanted substance being removed in the form of a tube extending centrally and vertically through the cone support.*



- 78821 W. C. Heraeus G. M. B. H. Hard chemically resistant alloys. Accepted on 2nd February 1963.  
*Consisting of 20—85 per cent osmium, 1—30 per cent tantalum, the remainder being one or more of metals iron, cobalt, nickel, chromium, rhodium and tungsten*
- 78839 Ravonier Incorporated. Process for forming pellets of alkali soluble hydroxyethylcellulose. Accepted on 2nd February 1963.  
*Formed of hydroxyethylcellulose crumb having from 2 per cent to 8 per cent of ethylene oxide substitution and a bulk density which varies from the high range of from 30 to 35 when the moisture content is 40 per cent to the low range of at bulk density of from 20 to 25 when the moisture content is 58 per cent.*
78877. W. C. Heraeus G. m. b. H. Light current contacts. Accepted on 6th February 1963.  
*Consists of an alloy of nickel or tungsten of from 1 to 15 per cent, the remainder being platinum.*
78887. Toyo Boseki Kabushiki Kaisha, and Howa Kogyo Kabushiki Kaisha. Apparatus for dealing with full bobbins removed by automatic doffer. Accepted on 2nd February 1963.  
*Means for receiving the doffered full bobbins in side by-side relation, means for conveying thus received bobbins toward and below an upright magazine, means for lifting and transferring the bobbins*
78894. Montecatini Societa Generale Per L'Industria Mineraria E Chimica. Process for preparing elastomeric polymers and articles produced therefrom. Accepted on 7th February 1963.  
*Comprises copolymerizing ethylene with other aliphatic  $\alpha$ -olefins in the presence of catalyst prepared from a vanadium compound and a dialkyl aluminium monohalide, characterized in adding to the catalyst a compound capable of forming complex with said dialkyl aluminium halide.*
78936. Dufaylite Developments Limited. Honeycomb materials. (21st October 1960). Accepted on 6th February 1963.  
*Comprises winding a web of sheet material upon a rotary former applying bands of adhesive in staggered relationship.*
78986. Ciba Limited. Process for the manufacture of new nitriles. Accepted on 6th February 1963.  
*Characterized in that a pyridyl-aceto nitrile whose methylene group contains two hydrogen atoms is reacted with an ortho-R CO chloro benzene wherein R represents hydrogen or alkyl radical.*
78989. J. L. Mulvaney. Slung concrete wall, partitions and like structural members for buildings and the like. Accepted on 6th February 1963.  
*Comprising, suspending matting and steel rods from top side member of a frame, and throwing wet concrete to one or both sides of matting and when set repeating said process to obtain desired thickness.*
79009. Molins Machine Company Limited. Improvements in the collection of cigarettes for packing. (25th October 1960). Accepted on 6th February 1963.  
*Comprises a hopper with slots in its base, a pusher, cigarette charger holding means, filled charger removing means and pusher moving means.*
79016. Vacu-Blast Limited. Improved abrasive blasing apparatus. Accepted on 8th February 1963.  
*Fanes of abrasive-throwing wheel end short of centre of the wheel to form a cavity, fluidisation means is provided below hopper-like collecting means and conduit means connect the fluidisation means and the cavity in the said wheel.*
- 79049 Imperial Chemical Industries Limited. Coated films. (27th October 1960). Accepted on 8th February 1963.  
*Wherein the heat seal coating has incorporated therein a cationic surface active agent to confer anti static properties thereon.*
79117. Dunlop Rubber Company Limited. Improvements in or relating to a method and an apparatus for providing spools of rubberised fabric. (10th November 1960). Accepted on 6th February 1963.  
*Comprises covering fabrics with rubber and passing through a refrigerating enclosure and wrapping it onto a spool.*
- 79157 The Singer Manufacturing Company. Lock stitch sewing machine. Accepted on 6th February 1963.  
*Sewing machine actuating means and locking thread replenishing means are each connected to operator influenced means.*
79259. Esb Reeves Corporation. Microporous material and method of making same. Accepted on 5th February 1963.  
*Comprises a fabric matrix, that is being coated with a microporous substance comprising elastomers or thermoplastic resins or mixtures thereof and the coating includes a porosity creating agent.*
79321. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to magazines for tape-shaped record carriers or comprising such carriers. Accepted on 5th February 1963.  
*Wherein the casing has for an inlet and outlet of the tape, a lateral opening and the tape is being provided with extensions.*
- 79323 D Weston. Method and apparatus for magnetic concentration of particulate material. (6th January 1961). Accepted on 2nd February 1963.  
*The method includes the steps of subjecting substantially the entire cross-section of the column pathway to an externally produced magnetic flux characterised by magnetic gradients, confining the pathway between poles of opposite polarity producing said flux, moving said poles lengthwise of the pathway to perform concentration.*
79338. S. A. Glaverbel. Process and furnace for melting and working products such as glass. Accepted on 2nd February 1963.  
*Gases are blown laterally into the molten materials at atleast one point and to a variable depth.*
79374. Ciba Limited. New vat dyestuffs and their manufacture and use. Accepted on 5th February 1963.  
*Comprises in treating a hydroxyalkylamino group bound to a nucleus containing two nitrogen atoms in a heterocyclic ring or bound to a chlorine free triazine ring with a sulfating agent.*
79376. F. Nojima. Vertical revolving garages. Accepted on 4th February 1963.  
*Comprising a tower structure, vertically moving top framework on it, said framework having sideframes with aligned openings, a pair of cylindrical members mounted in the openings, sprocket members with sprocket chains on said members, a shaft in the lower portion of the tower, a pair of sprocket wheels on the shaft and engaging chains, motor for driving the shaft, a plurality of shafts between the sprocket chains, cages suspended from said shafts and hydraulic means.*



79435. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to self-generating inverters with controlled semiconductor rectifiers. Accepted on 1st February 1963.

*Includes at least one controlled semi-conductor rectifier and its main circuit electrodes are connected to the different terminals of a d.c. supply circuit and has an oscillatory circuit coupled to the load and the main current circuit.*

79473. L. & C. Steinmuller G.m.b.H. Improvements relating to furnace walls in overcharge boilers. Accepted on 2nd February 1963.

*Having one or more intermediate layers of extensible sealing sheet material.*

79497. S. A. Vickers Limited. Improvements in or relating to copper plating. (8th December 1960). Accepted on 2nd February 1963.

*Copper plating bath comprising 4 to 9 ounces per gallon of copper, 5 to 2.0 ounces per gallon of free sodium or potassium cyanide, for 0.5 to 8.0 ounces per gallon of sodium or potassium hydroxide, from 2 to 15 ounces per gallon of sodium carbonate and from .25 to 2.5 grams per gallon of cobalt, the pH being 10 to 14.*

79510. The Goodyear Tire & Rubber Company. Improvements in adhesion of a reinforcing element to a rubbery composition. Accepted on 6th February 1963.

*Treating a reinforcing element essentially with a polyepoxide and then heating the element to remove at least a portion of polyepoxide.*

79536. Tanabe Seiyaku Co., Ltd. Benzophenone 2-carboxylic acid addition salts of 1-methyl-3-(di-2-thienylmethylene) piperidine. Accepted on 5th February 1963.

*Comprises reacting a water-soluble acid addition salt of 1-methyl-3-(di-2-thienylmethylene) piperidine with an alkali metal salt of a member from the group consisting of benzophenone-2-carboxylic acid and 4'-hydroxy benzophenone-2-carboxylic acid.*

79542. P. C. C. Electrically insulated rail fastener. Accepted on 5th February 1963.

*Comprises a steel strip that bears at one end against the flange of the rail and at the other end against the sleeper or tie and that is held down by a clamping device.*

79546. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to methods of producing solid electrolytic capacitors of the kind comprising an aluminium anode and capacitors produced by these methods. Accepted on 4th February 1963.

*Consists of a formed aluminium foil, that is wound with the interposition of a separator material together with a second metal foil wherein the separator material is the support of a semi conductive oxide obtained by the pyrolysis of suitable salt.*

79559. K. V. Shoe Factory. Improvements relating to boots, shoes or like footwear. Accepted on 6th February 1963.

*Stitched portion of the upper and upturned edge of the sole being protected over its length by a reinforcing tape.*

79589. Ciba Limited. New hardenable epoxy resin compositions. Accepted on 2nd February 1963.

*Comprises in admixing an epoxy resin, a hardener therefor, and a cyclic compound, one at least of the epoxy resin and the hardener containing an olefinic double bond.*

79622. Westinghouse Brake and Signal Company Limited. Improvements relating to compressed fluid braking apparatus. (8th December 1960). [Addition to No. 72644]. Accepted on 5th February 1963.

*Application valve controllable by two operatively associated and movable pressure sensitive diaphragm elements which have a limited freedom of relative movement whilst the element exposable to brake cylinder pressure is provided with a resilient stop arranged such as to prevent parting of the two diaphragm elements.*

79674. Dunlop Rubber Company Limited. Improvements in and relating to sheets of textile cords and method of treating such cords. Accepted on 4th February 1963.

*Wherein the cords are spaced apart in mutually parallel side by side relation by removable locating means.*

79686. National Steel Corporation. Improvements in or relating to building structures. (9th December 1960). Accepted on 2nd February 1963.

*Wherein one member is provided at its haunch end with an end plate secured to its web and at least to its tension flange and wherein the tension flange of the other member and said end plate are connected together.*

79730. Montecatini Societa Generale Per L'Industria Mineraria E Chimica. Process for improving the tinctorial characteristics of the fibres and films on the basis of crystalline olefin polymers. Accepted on 7th February 1963.

*Extruded fibres are treated to a treatment with solutions of alkalene oxides.*

79743. S. K. Karanjia. Improvements in or relating to toys. Accepted on 2nd February 1963.

*Comprising a hollow ring attached to a handle, the ring being provided with a groove or channel in its inner wall so as to permit a ball to rest thereon or to be rotated round and round therealong.*

79768. United States Steel Corporation. System for measuring the length of rolling-mill product. Accepted on 6th February 1963.

*Permitting accurate determination of hot-rolled member coming out of the mill by measuring the total angular movement of the mill rolls while the workpiece being in contact therewith.*

79778. Westinghouse Brake and Signal Company Limited. Improvements in or relating to contractors for power circuits. (6th January 1961). Accepted on 4th February 1963.

*Comprises a controllable rectifier device circuit for connection in series between power supply and load, and the firing circuit controls the operation of the rectifier device.*

79809. National Castings Company. Connector for a fluid transmission conduit. Accepted on 5th February 1963.

*In which the housing has a rear opening and a shoulder portion, in which the sleeve has a flange projecting outwardly thereof, the connector including resilient means between the sleeve and housing, the sleeve having inwardly extending shoulder, the connector further including fastening means between the rear end of sleeve and the cylinder.*

79812. Metal Hydrides Incorporated. Improvements in method for dyeing textile materials with vat dyes. Accepted on 5th February 1963.  
*Comprising impregnating the textile material to be dyed with a mixture of a vat dye and an alkali metal bisulfite, said textile material being immersed in aqueous solution of a borohydride and an alkali metal hydride having pH between 9.5 and 13.*
79813. Metal Hydrides Incorporated. Alkali metal hydro-sulfites and method of making the same. Accepted on 7th February 1963.  
*Comprises essentially of a mixture of an alkali metal borohydride and an alkali metal metabisulfite.*
79814. J. H. Forkner. Method and apparatus for the de-hydration of moist food materials. Accepted on 6th February 1963.  
*Wherein oil is at a temperature substantially above the vaporisation point of the foam-like moisture of vapour and hot oil in the material at the applied partial vacuum.*
79816. Head Wrightson & Company Limited. Improvements in sintering and other machines having continuous stranded elements. (20th December 1960). Accepted on 4th February 1963.  
*Includes a series of juxtaposed pallets, each provided with set of leading rollers and a set of trailing rollers for movement over guide tracks.*
79852. Aktiebolaget Svenska Flaktfabriken. Arrangement for wet purification and evaporative cooling of hot gases. Accepted on 7th February 1963.  
*Characterized in that the chamber is designed as a vertical cylinder fitted at the top with an axial gas inlet and equipped with an internal assembly consisting of a co-axially disposed tube forming an annular passage.*
79875. Simmonds Aerocessories Limited. Improvements relating to stiff nuts. (20th December 1960). Accepted on 6th February 1963.  
*Nut having a screw threaded bore and a plurality of symmetrical interior flutes, flutes being greater in depth than that of the thread at the non-bearing end and suitably provided with a plurality of curved screw threaded locking tongues.*
79882. Council of Scientific and Industrial Research. Improvements in or relating to the processing of textiles for imparting abrasion resistance and wash and wear characteristics. Accepted on 6th February 1963.  
*Consists in reacting textiles with etherifying agents consisting of esters of 1:3-dichloro-propanol 2-in presence of alkaline catalyst.*
7969. Westfälische Metal Industrie KG HUECK & Co. Electromagnetically operated signal horn. Accepted on 5th February 1963.  
*Characterized in that the interrupter spring extends in horizontal direction and is parallel to the rigid contact carrier and at one end they are fastened by means of a screw.*
79988. Elektrokemisk A/S. Smelting process and electric smelting furnace arrangement for the reduction of oxides. Accepted on 5th February 1963.  
*Characterised in that the pretreatment is effected in a system of pretreatment shafts which are arranged above the smelting furnace.*
80013. The Torrington Company. Integral offset bearing for latch of knitting needle. Accepted on 2nd February 1963.  
*The bearing comprises angular overlapping tongues struck from each shank portion, each tongue having a root integral with the shank and a free end extending across the hole of the latch.*
80021. American Viscose Corporation. Needle-punched fabric having a film base. Accepted on 6th February 1963.  
*Base is a non-fibrous film of thermoplastic material and the portions of the film between the fibres are continuous.*
80045. Monsanto Chemical Company. Yarn tension device. Accepted on 6th February 1963.  
*Comprises a yarn guide means having levers with individual supports including swingable pivots and a tension spring connects each lever with its support.*
80120. The Singer Manufacturing Company. Speed-regulating control system for series commutator motors. Accepted on 4th February 1963.  
*Comprises a solid state controlled rectifier having an anode, a cathode and a gate in which mutually coupled inductance means are adapted to be energised by the a.c. supply voltage for deriving a reference voltage therefrom.*
80124. The Plessey Company Limited. Improvements in or relating to fluid flow control valves. (10th January 1961). Accepted on 5th February 1963.  
*A first valve serving to shut off in the conduit, and a second valve located in the conduit downstream of the shut-off valve each valve being biased towards closed position.*
80140. Western Electric Company Incorporated. Etching of semiconductive elements. (7th April 1961). Accepted on 8th February 1963.  
*Subjecting the elements to a passive portion of etching solution and then gradually adding the active portion of the same at a rate such as to control the temperature of the solution within desired limits.*
80183. Imperial Chemical Industries Limited. Process and apparatus for manufacturing thermoplastic tubular films. (27th January 1961). Accepted on 6th February 1963.  
*Thermoplastic tube being heated on its interior and exterior surfaces by radiant heaters and expanded by inflating with a gas and so stretched and oriented.*
80207. Dominion Magnesium Limited. Condenser for solidifying metal vapours. Accepted on 4th February 1963.  
*Which comprises a slot extending longitudinally through the wall of the sleeve through which metal vapour passes into direct contact with the chamber wall to form a rapid heat conducting link of solid metal between the hot vapour and wall.*
80236. Gresham & Cravan Limited. Improvements relating to train pipe couplings. (8th February 1961). Accepted on 4th February 1963.  
*The coupling connects those pipes of different diameters and having axially extending there through a converging bore of such configuration that when two such couplings are connected end-to-end the bore are axially aligned one with the other.*
80276. Alan Muntz & Company Limited. Improvements in and relating to power generating equipment employing internal-combustion, free-piston engines. (25th January 1961). Accepted on 5th February 1963.  
*An auxiliary turbine arranged to be driven by power gas from the one or more gas-generators, and driven from a pipe coupling the one or more gas-generators to the prime mover.*

80338. Westinghouse Electric Corporation. Improvements in or relating to X-ray apparatus. Accepted on 4th February 1963.

*Comprises side rails, a cross rail structure a carriage, a telescopic column, a cable and pulley arrangement a single electric motor operatively connected to only one of said pulleys and control means for controlling the operation of said motor and for rendering operative selective combinations of two of said locks at a time.*

80389. Ciba Limited. Process for dyeing or printing hydrophobic fibrous materials. Accepted on 6th February 1963.

*An arylmercaptounthraquinone having one benzene ring containing arylmercapto group and the other ring unsubstituted is used as dye-stuff.*

80175. Associated Electrical Industries Limited. Improvements in control gear for A.C. commutator motors. (6th February 1961). Accepted on 1th February 1963.

*Brush gear is positioned by a pilot motor which includes a manually operable drum controller and a limit switch engageable by said brush gear for each desired speed or rotation and wherein the final movement of the brush gear before it is brought to rest is in the direction to increase the speed.*

80506. Ruti Machinery Works Ltd. formerly Caspar Honegger. Device for starting and stopping of a loom. Accepted on 6th February 1962.

*Levers form two toggle motion systems, one of which is attached to hand operating lever and the other to automatic releasing device.*

80537. Standard Telephones and Cables Limited. Improvements in or relating to dry rectifiers. (2nd March 1961). Accepted on 5th February 1963.

*Including one or more rectifier plates housed between end members of resilient insulating material within an insulating cap inserted open end first into an outer metal cap, a lead wire in electrical contact with each side of the rectifier plate or plates and extending through the respective end member and cap base.*

80658. Shell Internationale Research Maatschappij N. V. An improved process for rolling non-ferrous metals. Accepted on 2nd February 1963.

*Using a lubricant comprising of a non-emulsifiable mineral oil free of aromatics and of an unsaturated  $C_{12-25}$  fatty acid.*

80725. The British Iron and Steel Research Association. Improvements in or relating to the continuous casting of metals. (17th February 1961). Accepted on 2nd February 1963.

*Feeding the casting from a mould outlet between opposed sets of rolls, the rolls of each set and the mould outlet acting as supports for the casting and being spaced to limit the distortion of the casting.*

80731. BOF Brassert Oxygen Technik AG. Method of supplying heat to the solid and/or liquid charge in converting the same to steel. [Addition to No. 71698]. Accepted on 6th February 1963.

*Characterized in that a combustible gas particular material gas, is supplied as fuel.*

80814. Deutsche Tafelglas Aktiengesellschaft Detag. Improvements in light cupolas. Accepted on 2nd February 1963.

*Having a profiled sealing element in the gap between the window element and the mounting element.*

80844. The International Nickel Company (Mond) Limited. Improvements relating to the formation of metal coatings and to the production of joints therewith. (21st February 1961). Accepted on 7th February 1963.

*A dispersion of a flake powder of a metal of platinum group in liquid which volatilises on heat, is applied on to the surface of a support and dispersion heated until the flakes are sintered to a continuous adherent coating.*

80858. AMP Incorporated. Improvements in electrical sockets. Accepted on 4th February 1963.

*Comprises a helical spring having a helical axis the pitch of the helical axis being greater than the pitch of the spring and the spring surrounding the axis of the helical axis.*

81147. Amchem Products, Inc. Process for applying phosphate coatings to ferrous metal surfaces. Accepted on 5th February 1963.

*Comprising the steps of cleaning surface with alkaline solution, treating the cleaned surface with aqueous, acid, phosphate coating solution containing .07 per cent of zinc, calcium ion in an amount as to yield a weight ratio of calcium to zinc between 5 to 8; nitrate and an agent capable of oxidizing ferrous ion to ferric ion.*

81205. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to magnetic recorders and/or reproducers, in particular dictating apparatus, having devices for the return travel of the sound carrier. Accepted on 6th February 1963.

*At the aperture of the winding magazine a blocking member is provided which is coupled to the means for switching on the return travel of the sound carrier, by which the passage through the aperture of a tag inside the winding magazine can be blocked.*

81492. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to devices for controlling a gaseous atmosphere with adjustable mixing ratio of the gases. Accepted on 6th February 1963.

*Having an adjustable stop member with a linearly controllable orifice for each gas, which stop members are coupled in mutually opposite senses of operation by transmission members, the stop members being adjustable by a controlled mechanism coupled to the transmission members.*

81767. Courtaulds Limited. Improvements in and relating to the production of artificial threads. (19th April 1961). [Addition to No. 67303]. Accepted on 4th February 1963.

*Polymerising at elevated temperature using a concentration of gamma-methyl glutamate N-carboxy-anhydride in organic liquid medium such that resulting polypeptide solution contains at least 14 per cent by weight of polypeptide.*

84311. Molins Machine Company Limited. Improvements in or relating to tobacco-manipulating machines. [Divisional date 9th May 1961]. Accepted on 5th February 1963.

*In which compensatory means consists of mechanical means having roller in contact filler and varies the pressure on the filler.*

84853. E. I. du Pont de Nemours and Company. Fungicidal compositions containing 3, 3'-hydrocarbonylene bis (tetrahydro-1, 3, 5-thiadiazine-2-thiones. [Divisional date 5th May 1961]. Accepted on 2nd February 1963.

*Comprising 3-3'-hydrocarbonylene bis (tetrahydro-1, 3, 5-thiadiazine-2-thiones together with a carrier material or a fungicidal adjuvant and a surface active agent.*

84854. F. I. du Pont de Nemours and Company. Fungicidal compositions containing polymeric thiadiazine thiones. [Divisional date 5th May 1961]. Accepted on 2nd February 1963.

*Comprising polymeric thiadiazinethiones in admixture with a carrier and/or adjuvant therefor and/or one or more known fungicide.*

### Opposition Proceedings

The application for patent numbered 65141 made by Roskilde Medical Co. Ltd., in respect of which an opposition was entered by Novo Terapeutisk Laboratorium A/S as notified in Part III Section 2 of the Gazette of India dated the 30th July 1960 has been treated as abandoned.

### Printed Specification Published

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy:—

(1)

56650. 56657. 56664. 56671. 56737. 56738. 56748. 56769.  
56805. 56387. 57398. 57415. 57431. 57487. 57519. 57528.  
57535. 57566. 57613. 57624. 57635. 57716. 57756. 57759.  
57763. 57824. 57952. 57953. 57960. 58352. 58395. 58412.  
58509. 58533. 58553. 58560. 58574. 58655. 58667. 58784.  
58939. 58968. 59236. 59495. 59500. 59536. 59553. 59554.  
59558. 59639. 59641. 59747. 59843. 60026. 60040. 60044.  
60124. 60209. 60212. 60246. 60264. 60278. 60370. 60489.  
60651. 60760. 60793. 60823. 60845. 60861. 60862. 61055.  
61123. 61372. 61373. 61374. 61519. 61738. 61785. 61816.

(2)

70283. 71977. 72025. 72046. 72324. 72407. 72510. 72663.  
72722. 73124. 73139. 73158. 73182. 73190. 73192. 73198.  
73212. 73228. 73231. 73233. 73235. 73243. 73246. 73249.  
73264. 73269. 73270. 73283. 73388. 73408. 73511. 73528.  
73724. 73757. 73779. 73780. 73781. 73782. 73805. 73825.  
73827. 73849. 73896. 73910. 73926. 73973. 73996. 73997.  
73999. 74018. 74024. 74082. 74161. 74137. 74283. 74297.  
74299. 74312. 74326. 74439. 74466. 74475. 74547. 74577.  
74578. 74622. 74744. 74786. 74845. 74875. 74893. 74977.  
75058. 75081. 75157. 75252. 75339. 75491. 75508. 75510.  
75688. 75713. 75822. 78821. 80278.

(3)

72212. 72216. 72235. 72369. 72273. 72276. 72433. 72444.  
72634. 72893. 73039. 73199. 73331. 73360. 73379. 73381.  
73387. 73396. 73397. 73409. 73413. 73415. 73419. 73422.  
73428. 73432. 73436. 73443. 73463. 73465. 73473. 73474.  
73486. 73490. 73495. 73502. 73526. 73551. 73603. 73635.  
73683. 73685. 73709. 73720. 73771. 73777. 73817. 73850.  
73941. 73991. 74007. 74038. 74072. 74117. 74141. 74121.  
74143. 74169. 74178. 74204. 74343. 74391. 74458. 74536.  
74589. 74793. 74862. 74863. 74864. 74970. 75049. 75113.  
75149. 75175. 75181. 75235. 75241. 75279. 75429. 75937.  
75983. 77544. 79894. 80764. 81178.

### Patents Scaled

58401. 73497. 73822. 73842. 73900. 73975. 73990. 74047.  
74048. 74193. 74245. 74247. 74274. 74390. 74406. 74532.  
74534. 74831. 74880. 75060. 75209. 75226. 75265. 75268.  
75270. 75345. 75515. 75549. 75554. 75555. 75566. 75574.  
75590. 75603. 75620. 75621. 75655. 75676. 75683. 75684.  
75685. 75701. 75702. 75703. 75735. 75738. 75892. 75925.  
76034. 76115. 76147. 76216. 76326. 76334. 76372. 76398.  
76409. 76617. 76661. 76701. 76742. 76923. 76964. 77333.  
77467. 77799. 78429. 78580. 78594. 80576.

### Amendment Proceedings

(1)

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that Standard Oil Company, a corporation organized under the laws of the State of Indiana, one of the United States of America, Oil Refiners, of 910, South Michigan Avenue, City of Chicago, State of Illinois, United States of America, seek leave to amend the description and claims in the specification in respect of Patent Application No. 66070. Any person desirous of opposing the application for amendment should at any time within three months from the date of this Gazette, give notice of his intention to do so on the prescribed form (form 6 of the Indian Patents and Designs Rules, 1933) in the Patent Office, 214, Lower Circular Road, Calcutta-17. The proposed amendment may be seen free of charge at the Patent Office or copies thereof may be obtained from the Patent Office, on payment of the usual charges.

(2)

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that Chas. Pfizer & Co., Inc., a corporation organized under the laws of the State of Delaware, United States of America, of 11 Bartlett Street, Brooklyn, State of New York, United States of America, manufacturers, seek leave to amend the claims in the specification in respect of Patent Application No. 70566. Any person desirous of opposing the application for amendment should at any time within three months from the date of this Gazette, give notice of his intention to do so on the prescribed form (form 6 of the Indian Patents and Designs Rules, 1933) in the Patent Office, 214, Lower Circular Road, Calcutta-17. The proposed amendment may be seen free of charge at the Patent Office or copies thereof may be obtained from the Patent Office, on payment of the usual charges.

(3)

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that Les Laboratoires Francais De Chimiotherapie, a French Body corporate, of 35, Boulevard des Invalides, Paris 7e, French, seek leave to amend the name of the applicant in the application, specification and drawings in respect of Patent Application No. 74637. Any person desirous of opposing the application for amendment should at any time within three months from the date of this Gazette, give notice of his intention to do so on the prescribed form (form 6 of the Indian Patents and Designs Rules, 1933) in the Patent Office, 214, Lower Circular Road, Calcutta-17. The proposed amendment may be seen free of charge at the Patent Office or copies thereof may be obtained from the Patent Office, on payment of the usual charges.

(4)

The amendment proposed by Dr. Karl Thomae G.m.b.H. in respect of Patent Application No. 73723 as advertised in the Gazette of India, Part III, Section 2, dated the 6th October 1962 has been allowed.

(5)

The amendment proposed by Rohm & Haas Company in respect of Patent Application No. 75132 as advertised in the Gazette of India, Part III, Section 2, dated the 13th October 1962 has been allowed.

### Registration of Assignments, Licences, Etc. (Patent)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests:—

38957—Frenger International Corporation.

42352—Albert Briggs and Joseph MacGregor.

49373—Sayaji Iron & Engineering Co. Private Ltd.

55825 }  
61397 } Madhukar S. Wadke.

70751	} Pirelli Societa Per Azioni.
70752	
70766	
70767	
70768	
70769	
70770	
70771	
70772	

## Renewal Fees Paid

39105.	39106.	39142.	39200.	39524.	39745.	40602.	40943.
41100.	41219.	41240.	41270.	41764.	41852.	42471.	42638.
42940.	43003.	42153.	53416.	43765.	44228.	44229.	44538.
44566.	44589.	44629.	44816.	44928.	45032.	45048.	45077.
45153.	45154.	45436.	45624.	45809.	45891.	45920.	46219.
46343.	46803.	46894.	46895.	46902.	46912.	46915.	46917.
46919.	46920.	46928.	16937.	46997.	46998.	47125.	47143.
47421.	47422.	47569.	47581.	47830.	48000.	48001.	48153.
48601.	18893.	48920.	48943.	49006.	49029.	49056.	49116.
49137.	49138.	49230.	49241.	49282.	49373.	49552.	49558.
50938.	51134.	51211.	51237.	51247.	51279.	51372.	51454.
51455.	51463.	51523.	51529.	51636.	51656.	51657.	51696.
51699.	51717.	51725.	51870.	51871.	51872.	51873.	51969.
52110.	52119.	52152.	52260.	52324.	52479.	52494.	52761.
52913.	53335.	53558.	53672.	53676.	53681.	53711.	53713.
53764.	53928.	53933.	53941.	53959.	53967.	53968.	53988.
53989.	53993.	53994.	54049.	54087.	54111.	54132.	54177.
54185.	54206.	54213.	54264.	54281.	54318.	54338.	54414.
54474.	54523.	54585.	54754.	54773.	54782.	54794.	54847.
54857.	54909.	55086.	55474.	55487.	55488.	55499.	55608.
55627.	55675.	55711.	55742.	55767.	55773.	55796.	55870.
55891.	55901.	56051.	56147.	56346.	56402.	56544.	56546.
56562.	56575.	56599.	56610.	56665.	56702.	56716.	56725.
56750.	56776.	56781.	56823.	56907.	56944.	56958.	56959.
56972.	56978.	56991.	57033.	57048.	57060.	57061.	57063.
57085.	57086.	57087.	57097.	57117.	57163.	57188.	57197.
57284.	57285.	57312.	57347.	57397.	57432.	57473.	57569.
57570.	57577.	57608.	57676.	57775.	57803.	57927.	58009.
58219.	58235.	58294.	58412.	58422.	58602.	58897.	59446.
59462.	59463.	59464.	59486.	59589.	59600.	59604.	59623.
59624.	59664.	59718.	59782.	59783.	59896.	59899.	59921.
59932.	59951.	59981.	59992.	60047.	60048.	60065.	60125.
60131.	60133.	60134.	60135.	60152.	60171.	60175.	60246.
60279.	60303.	60318.	60319.	60357.	60390.	60399.	60437.
60490.	60520.	60562.	60571.	60572.	60573.	60574.	60602.
60625.	60657.	60660.	60800.	60892.	60941.	60942.	60943.
60945.	60978.	60999.	61271.	61354.	61387.	61388.	61405.
61443.	61572.	61656.	61657.	61717.	61822.	61916.	61950.
62113.	62154.	62297.	62298.	62299.	62340.	62384.	62428.
62429.	62559.	62771.	62842.	63013.	63036.	63041.	63045.
63070.	63171.	63236.	63237.	63256.	63271.	63303.	63348.
63352.	63363.	63375.	63394.	63466.	63481.	63538.	63571.
63573.	63574.	63587.	63622.	63680.	63698.	63699.	63700.
63773.	63790.	63861.	63869.	63875.	63886.	63887.	63900.
63902.	63906.	63990.	63995.	64005.	64038.	64116.	64130.
64180.	64199.	64216.	64275.	64396.	64519.	64666.	65029.
65030.	65073.	65114.	65315.	65385.	65649.	65768.	66101.
66151.	66396.	66517.	66530.	66599.	66631.	66696.	66760.
66785.	66931.	66946.	66962.	67003.	67010.	67038.	67042.
67045.	67082.	67095.	67135.	67155.	67182.	67199.	67209.
67240.	67280.	67285.	67316.	67369.	67406.	67415.	67508.
67589.	67654.	67674.	67675.	67676.	67936.	68218.	68264.
68470.	68545.	68688.	68757.	68844.	69021.	69054.	69140.
69391.	69392.	69508.	69704.	69900.	70513.	70602.	70617.
70860.	70874.	70912.	70924.	70925.	70926.	71015.	71123.
71133.	71261.	71290.	71325.	71588.	71589.	71795.	71965.
72521.	72650.	72838.	73229.	73582.	73633.	73796.	73876.
73941.	74012.	74013.	74136.	74417.	74526.		

## Extension of the term of Patent

The petition for extension of the term of Patent No. 35020 filed by Hoover Limited and notified in Part III, Section 2 of the Gazette of India, dated the 20th January 1962, has been rejected by the Central Government.

## Cessation of Patents

31485. 37583. 37635. 43337. 43349. 45361. 45368. 45374. 45377. 47519. 49752. 49918. 54810. 54819. 57631. 60799. 60815. 60816. 60827. 60847. 64108. 64414. 64420. 64430. 64435. 64440. 64441. 64812.

## Restoration Proceedings

(1)

Notice is hereby given that an order was made on the 16th January 1963, restoring the patent numbered 46343, dated as of the 15th January 1952, granted to Research Corporation for, "Antibiotic and method of preparing it".

(2)

Notice is hereby given that an application has been made under Section 16 of the Indian Patents and Designs Act, 1911, for the restoration of the following patent:

No. 47020—Heinrich De Fries G.m.b.H.

The patent ceased on the 3rd April 1962, owing to non-payment of renewal fee within the prescribed time and cessation of the patent was notified in Part III, Section 2 of the Gazette of India, dated the 8th December 1962. Any person may give notice of opposition to the restoration by leaving an application on form 6 of the Indian Patents and Designs Rules, 1933, at the Patent Office, 214, Lower Circular Road, Calcutta-17 on or before the 6th April 1963.

(3)

Notice is hereby given that an order was made on the 29th January 1963, restoring the patent numbered 48256, dated as of the 20th October 1952, granted to Kumarasamy Venkatasamy Nayagar, for "Improvements in or relation to padlocks".

(4)

Notice is hereby given that an order was made on the 14th January 1963, restoring the patent numbered 52758, dated as of the 16th September 1954, granted to K. S. G. Doss and Vishnu, for "Improvements in or relating to the curing of the masscutes in the manufacture of white sugar or refined sugar".

## Registration of Designs

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Indian Patents and Designs Act.

The date shown in each entry is the date of registration of the designs including in the entry.

Class I. Nos. 114907 and 114908. Mangaldas Manilal

Panchal, Sarabhai's Wadi, Gheekanta Road, Ahmedabad 1, Gujarat (Indian), "Hand pumps", August 10, 1962.

Class I. No. 114947. New India Metal Mills, Mohalla—Khokran, Moradabad, U.P., Nationality: Indian, "Coffee pot", August 16, 1962.

Class I. No. 115325. Deepakrai Metal Industries, 473, South Kasba, "Kothunde Bhuvan", Sholapur (Maharashtra), Indian Firm, "Lamp stand", September 17, 1962.

Class I. No. 115924. The General Electric Company Ltd., Glen House, Stag Place, Victoria, London, S.W. 1, England, a company incorporated under the Laws of England, "An electric kettle", June 14, 1962 (United Kingdom).

Class I. No. 116157. Engro-Tool Manufacturing Company, An Indian Partnership firm, 111—113, Jivanjee Maharaj Compound, 3rd Bhoiwada Lane, Bombay-2, Maharashtra, India, "An engraving tool", November 27, 1962.

- Class 3. No. 115815. Ramchand Sugnomal Maniar and Amarlal Sugnomal Maniar, Indian Partners, 39, Sheikh Memon Street, Zaveri Bazar, Bombay 2, Maharashtra, "Lamp shade", October 29, 1962.
- Class 13. No. 116179. H. A. Shah & Co., Partnership Concern, Vasant Vijay Mills, "Vasant Vijay", 470/471, Worli Road, Bombay-18, (India), "Textile goods", December 1, 1962.
- Class 13. No. 116180. Shree Ram Mills Ltd., Fergusson Road, Parel, State of Maharashtra, Bombay 13, State of Maharashtra, India, a company incorporated in India, "Textile piece goods", December 1, 1962.
- Class 13. No. 116190. The Victoria Mills Limited, an Indian Company, De Lisle Road, Parel, Bombay-13, "Cotton piecegoods", December 4, 1962.
- Class 13. No. 116193. The Standard Mills Co. Ltd., Indian Company, Mafatlal House, Backbay Reclamation, Bombay-1, (India), "Textile goods", December 4, 1962.
- Class 13. Nos. 116224 and 116226 to 116228. The Bombay Dyeing & Mfg. Co. Ltd., an Indian Company incorporated in India, Neville House, Ballard Estate, Bombay 1. "Cotton textiles", December 5, 1962.
- Class 13. No. 116342. The Standard Mills Co. Ltd., Indian Company, Mafatlal House, Backbay Reclamation, Bombay 1, (India), "Textile goods", December 15, 1962.
- Class 13. Nos. 116410 to 116416. The Sassoon Spinning & Weaving Co. Ltd., Indian Company, "Mafatlal House", Backbay Reclamation, Bombay-1, "Textile goods", December 18, 1962.
- Class 13. No. 116423. The Standard Mills Co. Ltd., Indian Company, Mafatlal House, Backbay Reclamation, Bombay 1, (India), "Textile goods", December 20, 1962.
- Class 13. Nos. 116461 to 116472. The Shree Niwas Cotton Mills Ltd., An Indian Firm, Delisle Road, Bombay-13, "Cotton piecegoods", December 28, 1962.
- Class 13. Nos. 116483 and 116486. The Sassoon Spinning & Weaving Co. Ltd., Indian Company, "Mafatlal House", Backbay Reclamation, Bombay-1, "Textile goods", December 28, 1962.
- Class 13. Nos. 116513 to 116517. The Phoenix Mills Ltd., an Indian Company, State Bank Building, Bank Street, Fort, Bombay, "Textile goods", January 2, 1963.
- Class 13. Nos. 116551 to 116564. The Shree Niwas Cotton Mills Ltd., an Indian Firm, Delisle Road, Bombay 13, "Cotton piecegoods", January 5, 1963.
- Class 14. No. 115259. H. A. Shah & Co., Partnership Concern, Vasant Vijay Mills, "Vasant Vijay", 470/471, Worli Road, Bombay-18, (India), "Textile goods", September 11, 1962.
- Class 14. Nos. 116206 to 116210, 116212 to 116217 and 116220 to 116222. The Century Spg. & Mfg. Co. Ltd., Indian Company, Industry House, 159, Churchgate Reclamation, Bombay 1, "Textile goods", December 5, 1962.
- Class 14. No. 116343. The Standard Mills Co. Ltd., Indian Company, Mafatlal House, Backbay Reclamation, Bombay 1, (India), "Textile goods", December 15, 1962.
- Class 14. No. 116565. The Shree Niwas Cotton Mills Ltd., an Indian Firm, Delisle Road, Bombay 13, "Cotton piecegoods", January 5, 1963.

Copyright extended for a second period of five years

Design No. 93984, Class 5.

### Registration of Assignments, Licences, Etc. (Design)

Assignments, licences or other transaction affecting the interest of the original proprietors have been registered in the following cases. The number of each case is followed by the names of the applicants for registration:—

110915—Sperry Rand Corporation.

**Name Index of Applicants for Patents for the month of January 1963 (Nos. 85863 to 86293).**

*Name and Application No.*

#### A

- Abbott Laboratories—86249, 86250, 86285.
- Abhyankar, P. R.—85946.
- Abplanalp, R. H.—85996.
- Ahuja, D. P.—86108.
- Aibani, M. K.—86183.
- Aktiebolaget Svenska Flaktfabriken—85991.
- Allied Chemical Corporation—85919, 85976, 85977.
- Ambalal, P. J.—86110.
- American Cyanamid Company—86144.
- American Flange & Manufacturing Co. Inc.—86187, 86241.
- Amp Incorporated—86122, 86123, 86124.
- Amre, B. A.—86269.
- Amsted Industries Incorporated—85872.
- A. O. Smith Corporation—86163.
- A. Reyrolle & Company Limited—86193.
- Asahi Kasei Kogyo Kabushiki Kaisha—86261.
- Ashland Oil & Refining Company—86051.
- Atlas Copco Aktiebolag—86040.
- Atomic Energy Establishment, Trombay—86038.
- Automatic Telephone & Electric Company Ltd.—86033.
- Aviatsionny Zavod Grazhdanskovo Vozdooshnovo Flota, Ts-27, Aviatsionny Zavod Grazhdanskovo Vozdooshnovo Flota, Moscow, USSR—86148.
- Avney Chen Limited—86056.
- Ayerst, McKenna & Harrison Ltd.—86176.

#### B

- Badische Anilin & Soda-Fabrik Aktiengesellschaft—86008, 86293.
- Bahson Company, The—86020.
- Baxter Laboratories, Inc.—86084.
- Behera, H.—86161.
- Beteiligungs-Und Patent-verwaltungsgesellschaft Mit Beschränkter Haftung—86168.
- Bhatt, R. P.—85900.
- Bhogilal, V. I.—86110.
- Bhutoria Engineering Works Ltd.—86234.
- Bombay Toys—86270.
- Bristol-Myers Company—85997.
- British Drug Houses Limited, The—86039, 86091.
- British Oxygen Company Limited, The—85918.
- British Titan Products Company Limited—86188.

#### C

- Cable Covers Limited—85966.
- Canadian Ingersoll-Rand Company, Ltd.—86066.
- Celanese Corporation of America—86079.
- Ceskoslovenski Akademik Ved—86264.
- C. F. Boehringer & Soehne GmbH—86077.
- Chaudary, M. A.—85902, 85903.
- Chemolimpex Magyar Vegyiaru Kulkereskedelmi Vallalat—86102.

*Name and Application Number**C—contd.*

Chloride Electrical Storage Company Ltd, The—85865, 85866.  
 Ciba Limited—85936, 85972, 86001, 86009, 96010, 86071, 86097, 86116, 86142, 86143, 86169, 86170, 86251, 86259, 86288, 86289.  
 Clayton Dewandre Company, Ltd.—86178.  
 Cleveland Crane & Engineering Company, The—86016.  
 Clevite Corporation—85879.  
 Commissariat A L'Energie Atomique—86103.  
 Compagnie Electro-Mecanique—86106.  
 Conch International Methane Ltd.—85921.  
 Continental Can Company, Inc.—86087.  
 Continental Elektroindustrie Aktiengesellschaft Voigt & Haeffner—85981.  
 Corhart Refractories Company—85983.  
 Council of Scientific and Industrial Research—85959, 86155, 86156.  
 Cyster, A. H.—85935.

**D**

David, S. T.—86012.  
 Decring Milliken Research Corporation—85970, 86253.  
 Depmer, W.—85931.  
 Dey, H.—86274.  
 Didier-Werke A. G.—85885, 85886, 85887, 85888, 85889, 85890, 85891, 85955.  
 Distillers Co. Ltd., The—86021.  
 Dow Chemical Company, The—85877, 85878.  
 Dr. Beck & Co. G.m.b.H.—85969.  
 Dujlani, S.A.H.—86209.  
 Dunlop Rubber Company Limited—86214, 86277, 86278, 86279.

**E**

E. I. Du Pont De Nemours and Company—85870.  
 E. Johnston—85980.  
 Elettronica Metal Lux S.p.A.—85916.  
 E. Merck Aktiengesellschaft—86266.  
 Engro-Tool Manufacturing Company—86160.  
 Ernst Jacobi & Co. Kg.—86015.

**F**

Fabrique K. D'horlogerie Chs. Tissot & Fils, S.A.—86025.  
 Fancy Silk & Smallware Weaving Mills Ltd., The—86035.  
 Harbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning—86227, 85263.  
 Farrel-Birmingham Company, Inc.—85962.  
 F. Hoffmann-La Roche & Co. Aktiengesellschaft—86869, 85874, 86055, 86115.  
 Fichtel & Sachs, A. G.—85883.  
 Firestone Tire & Rubber Company, The—86088.  
 Fischer, K.—86081, 86082.  
 Fisons Fertilizers Ltd.—86275, 86276.  
 Fisons Pest Control Limited—86023, 86132, 86133, 86134.  
 Fonden, P. B.—85994.  
 France and Compagnie Generale De Geophysique—86167.  
 F. Smith & Co. (Whitworth) Ltd.—85954, 85975.  
 F. T. Products Limited—86072.

**G**

Gandhi, C. A.—86197.  
 Gandhi, Harendra Kumar S.—85895.  
 Gandhi, Himatlal S.—85895.  
 Gandhi, K. S.—75895.

*Name and Application Number**G—contd.*

Garware Plastics Private Limited—85899.  
 Gerb, Bohler & Co. Aktiengesellschaft—86089.  
 Gebruder Seidel K. G.—86204.  
 General Electric Company—85875 85876.  
 G. K. N. Steel Company Limited—86018.  
 Glaverbel—86014.  
 Glaxo Laboratories Limited—86131.  
 Goetzwerke Friedrich Goetze Aktiengesellschaft—85906.  
 Goodrich-Gulf Chemicals, Inc.—86147.  
 Goodyear Tire & Rubber Company, The—85993 86085.  
 Groetschel, K. M.—86196, 86223.  
 Grosshans, G. F.—85956.  
 Gunti & Company Private Limited—86151.

**H**

Hanselmann, F.—86076.  
 Hercules Powder Company—86230.  
 Hermorion Limited—86164, 86165, 86166.  
 Hertel, K.—86075.  
 Heuer, R. P.—86290.  
 Hindustan Vacuum Glass and Metal Industries Ltd., The—86080, 86133.  
 Hoelscher, W. B.—85932.  
 Holloway, H.—86138.

**I**

I. C. P. M. Industrie Chimiche Porto Marghera S.p.A.—86149.  
 Imperial Chemical Industries Limited—85923, 85951, 85984, 86011, 86022, 86067, 86104, 86179, 86189, 86190, 86191, 86192, 86243, 86244, 86245, 86246.  
 Imperial Chemical Industries (India) Private Limited—85868, 86181.  
 In-Crate Bottling Co. Proprietary Limited—86262.  
 Institut De Recherches De La Siderurgie Francaise—85971.  
 Institut Francais Du Petrole, Des Carburants Et Lubrifiants—86167, 86207.  
 International Business Machines Corporation—85925, 86083, 86139, 86215.  
 International Nickel Company (Mond) Limited, The—86200.  
 Inventa A. G. Fur Forschung Und Patentverwertung—86057.  
 Iyer, K. S. V., I. S.—86093.

**J**

Jain, J. G.—85947.  
 Jalihal, V. P.—86208.  
 James Halley & Sons Limited—85974.  
 Jensen, E.—86205, 86206.  
 Jhaveri, S. F.—86152.  
 Joelson, K. E. A.—86273.  
 Johnson, J. A.—85905.  
 J. R. Geigy, A.G.—86043, 86186.

**K**

Kabushiki Kaisha Hitachi Seisakusho—85920.  
 Kanegafuchi Kagaku Kogyo Kabushiki Kaisha—85930.  
 Karmalkar, D.—86157.  
 Kashyap, K. N. Dr.—85896.  
 Kaspar Winkler & Co. Inhaber Dr. Schenker-Winkler—86114.  
 Kataria Industries—86185.  
 Kattakayam, J. C.—85941, 86159.  
 Kefalas A. S.—86202.



*Name and Application Number**K—contd.*

K. G. Khosla—86154.  
 Khan, S.—86078.  
 Khandelwal, A. K.—86271.  
 Killick Industries Ltd.—86127.  
 Kinariwala Dye-Chem Industries—85901.  
 Knorr-Bremse G.m.b.H.—85882.  
 Koppers Company, Inc.—86062.  
 Koppikar, S. V.—85945.  
 Koppikar, V. R.—85945.  
 Kranse, H. J.—86291.  
 Kulkarni, M. S.—86268.  
 Kumar, S.—86212.

**L**

L. & C. Steinsmuller G.m.b.H.—86265.  
 Laporte Chemicals Limited—86002.  
 Larsen, O. J. F.—86158.  
 Lazcano, C. S.—86126.  
 Lepetit S.p.A.—86007, 86047.  
 Libbey-Owens-Ford Glass Company—86146.  
 Luwa, A. G.—86107.

**M**

Majumder, N.—85893.  
 M. & T. Chemicals Inc.—86123.  
 Maschinenfabrik, Augsburg-Nurnberg A. G.—86098, 86099, 86100.  
 Masson, R. G.—85956.  
 Mathur, V. P.—86059.  
 Matsuda, K.—85934.  
 Menon, C. R. B.—86061.  
 Menon, V. K. G.—85990.  
 Meopta Praha, narodni podnik—86150.  
 Merck & Co., Inc.—85968, 86111, 86252.  
 Metal Box Company Limited, The—85926.  
 Metallgesellschaft Aktiengesellschaft—85957.  
 Metallurgical Processes Limited—85992.  
 Metalsalts Corporation—85952.  
 Miles Laboratories, Inc.—86019.  
 Minnesota Mining and Manufacturing Company—85989, 86280, 86281, 86282.  
 Misra, A. (Miss)—86064.  
 Misra, K. N.—85958.  
 Misra, S. A.—86064.  
 Misra, S. (Miss)—86064.  
 Mission Manufacturing Company—86254, 86255.  
 Mizrachi, R.—86056.  
 Montecatini Societa Generale Per L'Industria Mineraria E. Chimica—86228, 86229.  
 Moulton, Consultants Limited—86003.  
 Munters, C. G.—86286.

**N**

Nanavati, M. M.—86210.  
 National Smelting Company Limited, The—85992.  
 Nippon Rayon Co. Ltd.—85998, 85999.  
 Normalair Limited—86226.  
 Norwich Pharmacal Company, The—86248.  
 Novo Terapeutisk Laboratorium A/S—85928.  
 Nussli, H.—86272.  
 N. V. Onderzoekingsinstituut Research—86096.

*Name and Application Number**N—contd.*

N. V. Philips Gloeilampenfabrieken—85909, 85910, 85911, 85912, 85913, 85914, 85915, 85937, 85963, 85964, 86000.  
 N. V. Research Laboratorium, Dr. C. Janssen—85884.

**O**

Olin Mathieson Chemical Corporation—85953, 86045, 86219.  
 Ollier, J.H.G.—85956.  
 Organon, N. V.—85973, 86140.

**P**

Palaniswamy, S.—86184.  
 Pandit, K. V.—86060.  
 Patel, H. H.—86063.  
 Patel, P. S.—85942.  
 Patel, R. K.—85943, 85944.  
 Paul, B. B.—86117, 86118.  
 Paul Rimbault & Co.—85988.  
 Phillips Petroleum Company—86260, 86287.  
 Pietro, S.—86065.  
 Pirelli Societa per Azioni—86049, 86095.  
 Pittsburgh Plate Glass Company—86247.  
 Plessey Company Limited, The—86052.  
 Pneumatiques, Caoutchouc, Manufacture Et Plastiques Kleber Colombes—86239.  
 Pneuways Development Company (Private) Limited—86293.  
 Prince-Smith & Stells Limited—86235.  
 Protat, H. R.—85987.

**Q**

Quigley Company, Inc.—85985, 85986.

**R**

Rao, C. I. S.—86232, 86233.  
 Rao, C. S.—86034.  
 Rao, T. D.—86182.  
 Reddi, C. R.—86013.  
 Regnilk S.A. Societe, D'Entreprises Financiers & Com merciales—85892.  
 Rhone-Poulenc S.A.—86129.  
 Robert Bosch GmbH—86074.  
 Robiette, A. G. E.—86171, 86172.  
 Roche Products Limited—85929.  
 Rohm & Haas Company—85922, 86177, 86216, 86217.  
 Rolls-Royce Limited—86026, 86027.

**S**

Saito, H.—85907, 85908.  
 Salzmann, W. E.—85961.  
 Sandoz Ltd.—85967, 86030, 86031, 86032, 86053.  
 Sankaranarayanan, Y.—86212.  
 Sankyo Company Limited—86141.  
 Sarkar, P. N.—86274.  
 Savigny, T. B.—85979.  
 Scherico Limited—86113.  
 Scientific Design Company, Inc.—85864, 85917, 86086.  
 Sealed Power Corporation—86220.  
 Sendzimir, T.—86236.  
 Sethuraman, V. K.—85995.  
 Shah, P. F.—86058.  
 Shell Internationale Research, Maatschappij N.V.—85867, 85924, 86119, 86120, 86121, 86128, 86173, 86174, 86213.  
 "Shell" Research Limited—86238.

*Name and Application Number**S—contd.*

Sherritt Gordon Mines Limited—85978.  
 Shroff, R. D.—86231.  
 Sicedison S.p.A.—86267.  
 Siemens-Schuckertwerke Aktiengesellschaft—85880.  
 Singh, B.—85897, 85898.  
 Societa Farmaceuticai Italia—85948.  
 Societe Anonyme des Anciens Etablissements Albaret—86222.  
 Societe De Prospection Electrique Schlumberger—86101.  
 Society Progil—86041.  
 Socony Mobil Oil Company, Inc.—86048.  
 Sperry Rand Corporation—85863, 85940, 86069, 86105, 86135, 86136, 86137, 86175, 86194, 86195, 86283, 86284.  
 Spofa, Sdruzeni podniku pro Zdravotnickou vyrobu—86198.  
 Stamicarbon N.V.—86130.  
 Standard Telephones and Cables Limited—85873, 85949, 85950, 86004, 86005, 86006, 86224, 86225, 86256, 86257.  
 Stanton and Staveley Limited—86024.  
 Subramoney, N.—86037, 86093.  
 Sumitomo Chemical Company Ltd.—86145.  
 Swami, A.—85894.  
 Syntex S.A.—85904.

*T*

Thaker, A. N.—85944.  
 Thoma Company—86258.  
 Tokyo Shibaura Electric Co. Ltd.—86050.  
 Tootal Broadhurst Lee Company Limited—86070.  
 Toyo Gas Chemical Industry, Ltd.—85871.  
 Toyo Koatsu Industries, Incorporated—85871.  
 Tube Products Limited—86240.

*U*

Union Carbide Corporation—86042, 86054, 86094.  
 United Shoc Machinery Corporation—86180.

*Name and Application Number**U—contd.*

United States Rubber Company—86068.  
 United States Steel Corporation—86242.  
 Universal Moulded Fiber Glass Corporation—86073.

*V*

Vacu-Lug Traction Tyres (Overseas) Limited—86201.  
 Varshney, G. R.—86199.  
 Veb Erste Maschinenfabrik Karl-Marx-Stadt—85881.  
 Vijay Scientific and Surgical Co.—86036.  
 Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon—86218.  
 Villa, A.—86203.  
 Voith-Getriebe Kg.—86162.

*W*

Wagle, A. T.—86211.  
 Wagle, A. T. (Dr.)—86211.  
 Walander, K. O. T.—85994.  
 Walker, R. S.—85982.  
 W. A. Whitney Manufacturing Company—85927.  
 W. C. Heracus Gesellschaft mit beschränkter Haftung—85938, 85939, 86221.  
 Wehinger, R.—86029.  
 Wellcome Foundation Limited, The—85960, 86092.  
 Western Electric Company Incorporated—85965.  
 Westinghouse Brake and Signal Company Limited—86046.  
 Westinghouse Electric Corporation—85933, 86014, 86237.  
 Westland Aircraft Limited—86112.  
 West Point Manufacturing Company—86028.  
 William H. Rorer, Inc.—86017.  
 Willners, S. H.—86109.

*Y*

Yawata Iron & Steel Co. Ltd.—86090.

S. VENKATESWARAN

*Controller General of Patents, Designs  
and Trade Marks*

